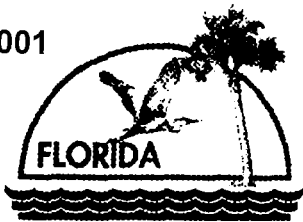


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LETTER REGARDING REGULATORY REVIEW AND APPROVAL OF FINAL WORK PLAN
FOR TREATABILITY STUDY AT STUDY AREA 2 NTC ORLANDO FL
2/26/2001
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

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David B. Struhs
Secretary

February 26, 2001

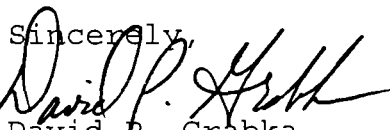
Mr. Wayne Hansel
Code 18B7
Southern Division
Naval Facilities Engineering Command
P.O. Box 190010
North Charleston, South Carolina 29419-0068

RE: Final Work Plan for Treatability Study at Study Area 2,
Herndon Annex, Naval Training Center, Orlando, Florida

Dear Mr. Hansel:

The Department has completed its review of the Final Work Plan for Treatability Study at Study Area 2, Naval Training Center Orlando, dated December 2000 (received December 19, 2000). The Work Plan is accepted as final and the work specified in the Work Plan should be implemented. I have attached to this letter a memorandum with Greg Brown's Professional Engineer certification of approval and a memorandum from Jorge Caspary.

If I can be of any further assistance with this matter, please contact me at (850)488-3693.

Sincerely,

David P. Grabka
Remedial Project Manager

cc: Barbara Nwokike, Navy SouthDiv
Nancy Rodriguez, USEPA Region 4
Richard Allen, HLA, Jacksonville
Steve McCoy, TetraTech NUS, Oak Ridge
Steve Tsangaris, CH2M Hill, Tampa
Bill Bostwick, FDEP Central District

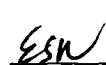
TJB



JJC



ESN



Memorandum

Florida Department of Environmental Protection

TO: David Grabka, Remedial Project Manager, Technical Review Section

THROUGH: Tim Bahr, P.G., Supervisor, Technical Review Section *B*


FROM: Greg Brown, P.E., Professional Engineer II, *AB*
Technical Review Section

DATE: February 26, 2001

SUBJECT: Final Work Plan for Treatability Study at Area 2,
Naval Training Center, Orlando, Florida.

Mr. Jorge Caspary, P.G., in the Technical Review Section reviewed under my supervision the subject engineering document dated December 2000 (received December 19, 2000). He recommends approval (see attached memorandum) and I concur. Mr. Steven B. McCoy, P.E., Florida Professional Engineer No. 41511, is the engineer of record for this final engineering document.

The subject final report is adequate for its intent. Please consider this memorandum the engineering certification of approval. Call me at (850) 488-3935 if you have questions.


Gregory M. Brown, P.E.
Professional Engineer No. 42194
Expires February 28, 2003
FEB. 26, 2001
Date

Encl.

Memorandum

Florida Department of Environmental Protection

TO: David Grabka, RPM
Orlando Naval Training center

THROUGH: Greg M. Brown, P.E. *AB*
Technical Review Section

FROM: Jorge R. Caspary *JRC*
Technical Review Section

DATE: January 9, 2001

SUBJECT: Final Workplan for Treatability Study Area 2,
ONTC

I have reviewed the subject documents dated December 2000 (received December 19, 2000). The document is signed and sealed by Mr. Steven B. McCoy, P.E. of TTNUS. I find the workplan approach adequate for its intent and recommend implementation of the technology discussed therein.

From the text, I infer that the ONTC Team has concurred on enhanced biodegradation to address VOCs contamination present in all reaches of the surficial aquifer at Area 2. The technology proposed is ORC[®] which utilizes the MgO₂ to Mg(OH)₂ reaction to release molecular oxygen in order to stimulate the activity of aerobic microorganisms to facilitate the metabolization of organic compounds in the aquifer. The consultant proposes to inject a slurry mix through 300 ORC[®] injection borings all concentrated in an area approximately 130 x 90 meters.

The only observations I have are that the ambient (resident) microbial population is very low, therefore, it may take longer to achieve design objectives. I recommend that quarterly reports not only include estimated VOC degradation rates but also heterotrophs and degrader plate counts to evaluate population activity in the aquifer with respect to initial counts.

MEMORANDUM
David Grabka
January 9, 2001
Page Two

Likewise, I recommend sampling the two private wells on Nancy Lee Lane to ascertain any indirect reduction of VOCs in those wells.

Please call me at (850) 921-9986 if you have any questions.